

## Chapter 8. State Indicators

### 8-1 Fourth Grade Mathematics Performance

#### Description

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This indicator represents the average score in mathematics of each state's fourth grade public school students on the National Assessment of Educational Progress (NAEP). The NAEP mathematics assessment is a congressionally authorized measure of student performance that is conducted by the National Center for Education Statistics. It measures students' knowledge and skills in mathematics and their ability to apply that knowledge in the content areas of number properties and operations; measurement; geometry; data analysis, statistics, and probability; and algebra. Student performance is presented in terms of average scores on a scale from 0 to 500.

Approximately 180,000 public fourth grade students in 7,540 public schools participated in the 2013 NAEP mathematics assessment. All 50 states and the District of Columbia participated in the 2013 NAEP mathematics assessment. Students with disabilities or limited English-language proficiency were allowed to use certain accommodations (e.g., extra testing time or individual rather than group administration). All data presented here represent scores from tests taken with accommodations offered.

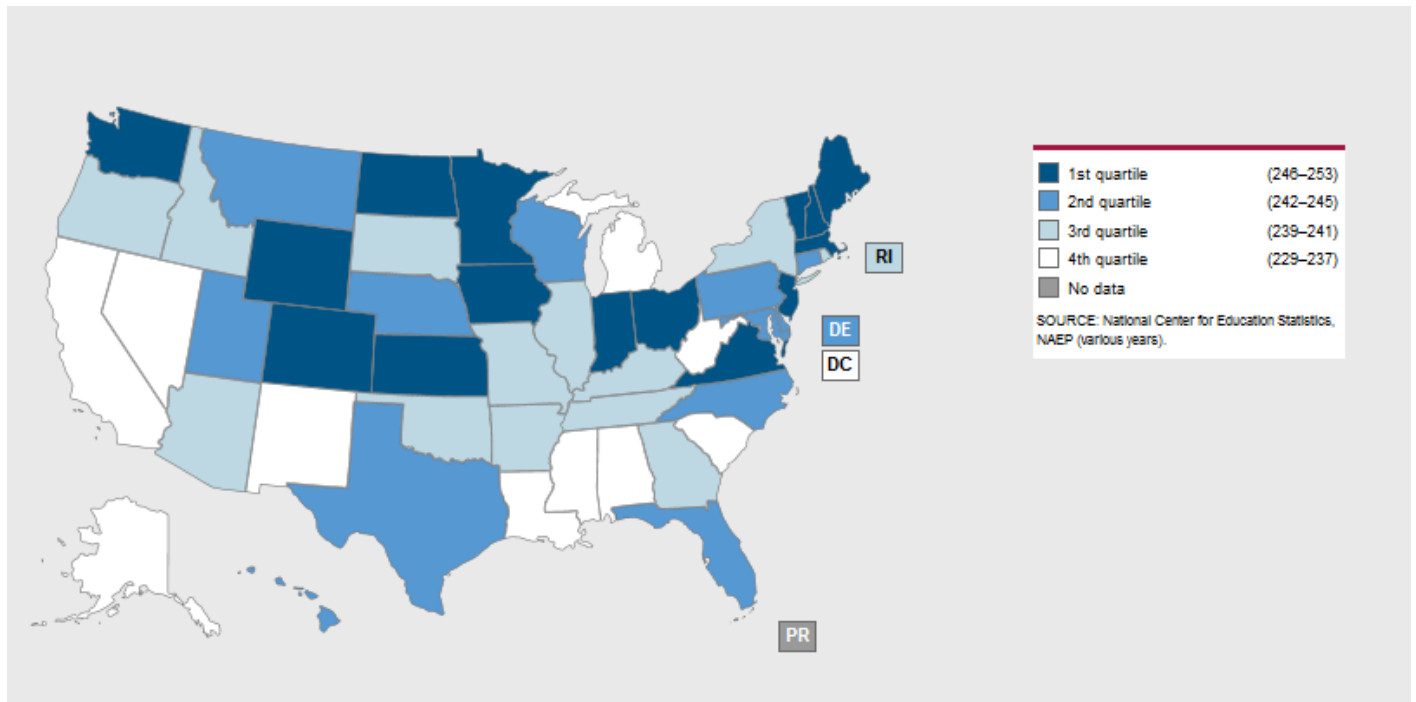
#### Findings

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- In 2013, the nationwide average mathematics score of fourth grade students was 241, an increase from 234 in 2003. Fourth graders scored higher in mathematics in 2013 than in any previous assessment year.
- In 2013, 13 states had a lower score than the national average.
- Students in Michigan and South Carolina had a 2013 state average score that was not significantly different than their 2003 average.
- Demographic gaps among racial/ethnic groups are not shrinking. Nationally, the 2013 average mathematics score for white fourth grade students was 250, with a gap of 26 points for black and a gap of 20 points for Hispanic students, based upon racial classifications provided by the schools. The score gaps in 2003 were almost identical.

## 8-1 Fourth Grade Mathematics Performance

Year: 2013

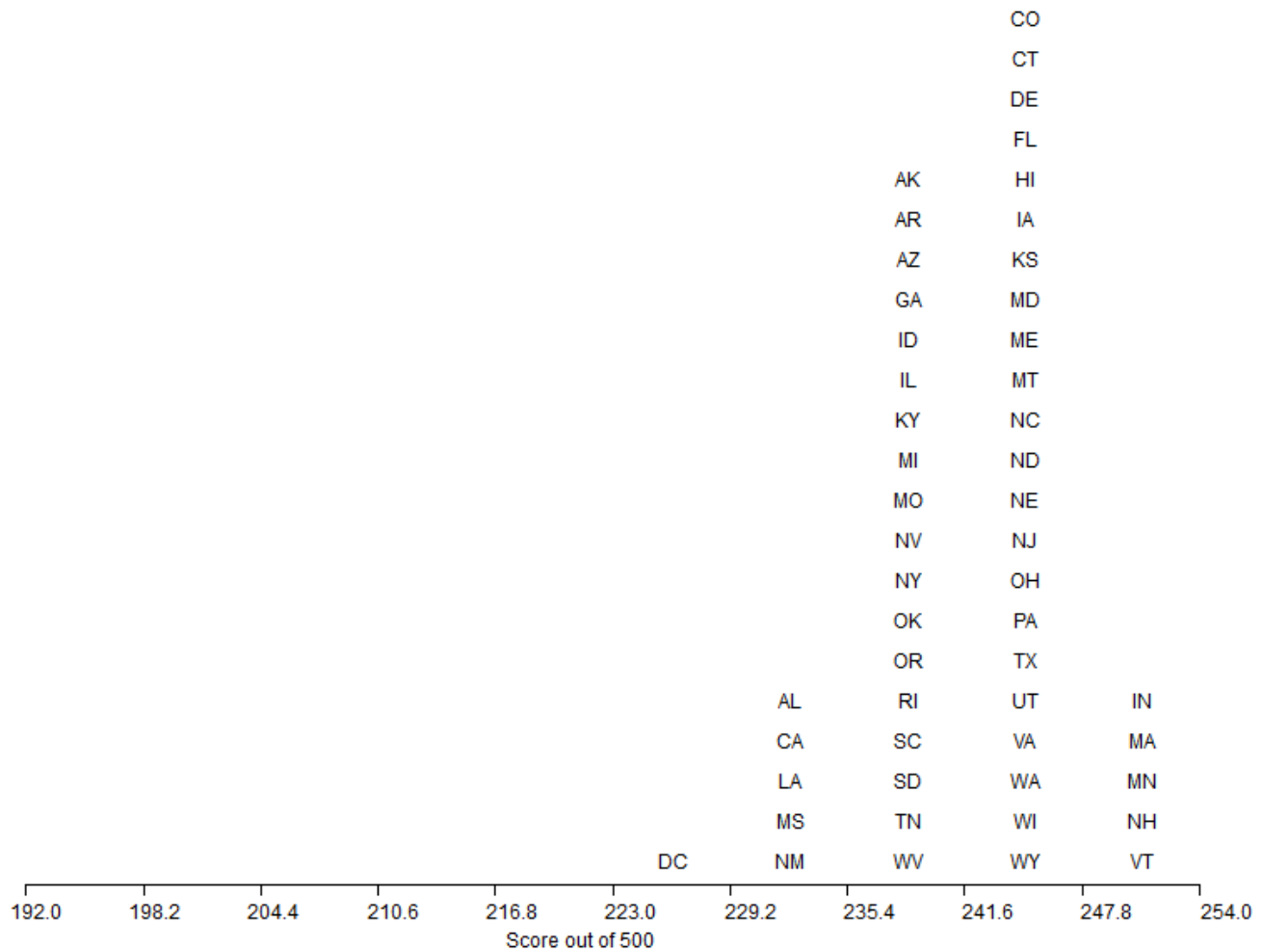


## 8-1 Fourth Grade Mathematics Performance

Year: 2013

### Distribution of states across indicator values

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Histograms do not display states with extreme values. Please consult the data tables for exact indicator values for each state.

## Chapter 8. State Indicators


**Table 8-1** Fourth Grade Mathematics Performance

State	4th grade math performance, all students (Score out of 500)						
	2000	2003	2005	2007	2009	2011	2013
United States	224	234	237	239	239	240	241
Alabama	217	223	225	229	228	231	233
Alaska	NA	233	236	237	237	236	236
Arizona	219	229	230	232	230	235	240
Arkansas	216	229	236	238	238	238	240
California	213	227	230	230	232	234	234
Colorado	NA	235	239	240	243	244	247
Connecticut	234	241	242	243	245	242	243
Delaware	NA	236	240	242	239	240	243
District of Columbia	192	205	211	214	219	222	229
Florida	NA	234	239	242	242	240	242
Georgia	219	230	234	235	236	238	240
Hawaii	216	227	230	234	236	239	243
Idaho	224	235	242	241	241	240	241
Illinois	223	233	233	237	238	239	239
Indiana	233	238	240	245	243	244	249
Iowa	231	238	240	243	243	243	246
Kansas	232	242	246	248	245	246	246
Kentucky	219	229	231	235	239	241	241
Louisiana	218	226	230	230	229	231	231
Maine	230	238	241	242	244	244	246
Maryland	222	233	238	240	244	247	245
Massachusetts	233	242	247	252	252	253	253
Michigan	229	236	238	238	236	236	237
Minnesota	234	242	246	247	249	249	253

State	4th grade math performance, all students (Score out of 500)						
	2000	2003	2005	2007	2009	2011	2013
Mississippi	211	223	227	228	227	230	231
Missouri	228	235	235	239	241	240	240
Montana	228	236	241	244	244	244	244
Nebraska	225	236	238	238	239	240	243
Nevada	220	228	230	232	235	237	236
New Hampshire	NA	243	246	249	251	252	253
New Jersey	NA	239	244	249	247	248	247
New Mexico	213	223	224	228	230	233	233
New York	225	236	238	243	241	238	240
North Carolina	230	242	241	242	244	245	245
North Dakota	230	238	243	245	245	245	246
Ohio	230	238	242	245	244	244	246
Oklahoma	224	229	234	237	237	237	239
Oregon	224	236	238	236	238	237	240
Pennsylvania	NA	236	241	244	244	246	244
Rhode Island	224	230	233	236	239	242	241
South Carolina	220	236	238	237	236	237	237
South Dakota	NA	237	242	241	242	241	241
Tennessee	220	228	232	233	232	233	240
Texas	231	237	242	242	240	241	242
Utah	227	235	239	239	240	243	243
Vermont	232	242	244	246	248	247	248
Virginia	230	239	240	244	243	245	246
Washington	NA	238	242	243	242	243	246
West Virginia	223	231	231	236	233	235	237
Wisconsin	S	237	241	244	244	245	245
Wyoming	229	241	243	244	242	244	247
Puerto Rico	NA	NA	NA	NA	NA	NA	NA



4th grade math performance, all students (Score out of 500)

State	2000	2003	2005	2007	2009	2011	2013
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NA = not available; S = data are suppressed because reporting standards were not met.

SOURCE: National Center for Education Statistics, NAEP (various years).

NOTES: The National Assessment of Educational Progress (NAEP) scores are for public schools only. The national value for the United States is the reported value in the NAEP reports.

*Science and Engineering Indicators 2016*